

PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Application No. 10/749,884	Applicant(s) Joseph A. Zupanick	
	Docket Number 067083.0287	Group Art Unit	Filing Date December 31, 2003

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PPS	A	1,488,106	03/25/1924	J. J. Fitzpatrick	N/A	N/A	02/05/1923
	B	4,333,539	06/08/1992	Lyons et al.	175	61	12/31/1979
	C	5,411,088	05/02/1995	LeBlanc et al.	166	265	08/06/1993
	D	5,653,286	08/05/1997	McCoy et al.	166	105.5	05/12/1995
	E	5,775,433	07/07/1998	Hammitt et al.	166	98	04/03/1996
	F	6,179,054	01/30/2001	Stewart	166	105.5	07/31/1998
PPS	G	6,357,530	03/19/2002	Kennedy et al.	166	369	09/27/1999

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION	
							YES	NO
PPS	H	SU-1448078-A1	03/25/1987	Russia	E21F	5/00-F 7/00	X	
	I	SU-1770570-A1	03/30/1990	Russia	E21F	7/00	X	
	J	SU-750108	06/26/1975	Russia	E21C	45/00	X	
	K	WO 98/35133	08/13/1998	PCT	E21C	27/24	X	
	L	WO 01/44620	06/21/2001	PCT	E21B	43/38	X	
	M	GB 2 255 033	10/28/1992	Great Britain	B04B	11/02	X	
	N	CA 2 278 735	01/13/1998	Canada	E21C	21/24	X	
PPS	O	CH 653 741	01/15/1986	Germany	E21B	43/24		X

NON-PATENT DOCUMENTS

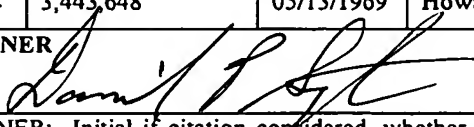
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
PPS	P	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 9, 2004 (6 pages) re International Application No. PCT/US 03/28138.	09/09/2003
	Q	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 27, 2004 (9 pages) re International Application No. PCT/US 03/30126.	09/23/2003
	R	Fletcher, "Anadarko Cuts Gas Route Under Canadian River Gorge," Oil and Gas Journal, pp. 28-30	January 25, 2004
	S	Translation of selected pages of Kalinin, et al., "Drilling Inclined and Horizontal Well Bores," Nedra Publishers, Moscow, 1997, 15 pages	1997
PPS	T	Translation of selected pages of Arens, V.Zh., "Well-Drilling Recovery of Minerals," Gotechnology, Nedra Publishers, Moscow, 7 pages, 1986	1986

EXAMINER

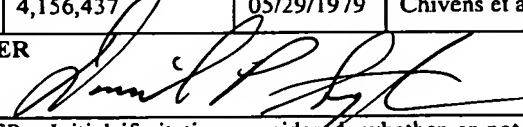
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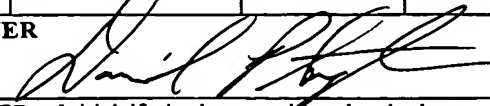
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

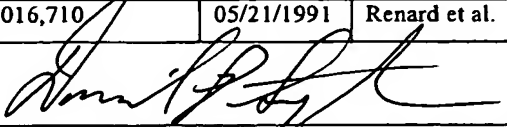
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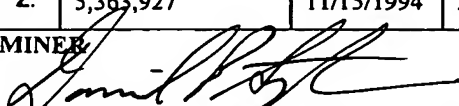
PTO-1449		Application No. Unassigned		Applicant(s) Joseph A. Zupanick			
Information Disclosure Citation in an Application		Docket Number 067083.0287		Group Art Unit Unassigned		Filing Date December 31, 2003	
		U.S. PATENT DOCUMENTS					
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PPS	A.	54,144	04/24/1866	Hamar			
	B.	274,740	03/27/1883	Douglass			12/02/1892
	C.	526,708	10/02/1894	Horton			09/01/1893
	D.	639,036	12/12/1899	Heald			08/21/1899
	E.	1,189,560	07/04/1916	Gondos			10/21/1914
	F.	1,285,347	11/19/1918	Otto			02/09/1918
	G.	1,467,480	09/11/1923	Hogue			12/19/1921
	H.	1,485,615	03/04/1924	Jones			12/08/1920
	I.	1,674,392	06/19/1928	Flansburg			08/06/1927
	J.	1,777,961	10/07/1930	Capeliuschnicoff			04/04/1927
	K.	2,018,285	10/22/1935	Schweitzer et al.	166	21	11/27/1934
	L.	2,069,482	02/02/1937	Seay	255	76	04/18/1935
	M.	2,150,228	03/14/1939	Lamb	166	10	08/31/1936
	N.	2,169,718	08/15/1939	Boll et al.	255	24	04/01/1937
	O.	2,335,085	11/23/1943	Roberts	251	197	03/18/1947
	P.	2,450,223	09/28/1948	Barbour	255	76	11/25/1944
	Q.	2,490,350	12/06/1949	Grable	166	4	12/15/1943
	R.	2,679,903	06/01/1954	McGowen, Jr. et al.	166	1	11/23/1949
	S.	2,726,063	12/06/1955	Ragland et al.	255	1.8	05/10/1952
	T.	2,726,847	03/31/1952	McCune et al.	255	1.6	03/31/1952
	U.	2,783,018	02/26/1957	Lytle	251	25	02/11/1955
	V.	2,847,189	08/12/1958	Shook	255	76	01/08/1953
	W.	2,911,008	11/03/1959	Du Bois	137	625.31	04/09/1956
	X.	2,980,142	04/18/1961	Turak	137	637.3	09/08/1958
	Y.	3,347,595	10/17/1967	Dahms et al.	299	4	05/03/1965
PPS	Z.	3,443,648	05/13/1969	Howard	175	103	09/13/1967
EXAMINER 				DATE CONSIDERED 8/19/04			
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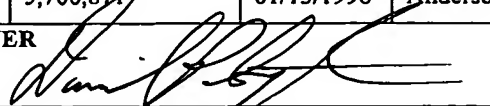
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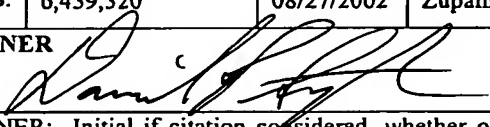
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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PPS	A.	3,473,571	10/21/1969	Dugay	137	625.4	12/27/1967
	B.	3,503,377	03/31/1970	Beatenbough et al.	123	117	07/30/1968
	C.	3,528,516	09/15/1970	Brown	175	267	08/21/1968
	D.	3,530,675	09/29/1970	Turzillo	61	35	08/26/1968
	E.	3,684,041	08/15/1972	Kammerer, Jr. et al.	175	267	11/16/1970
	F.	3,692,041	09/19/1972	Bondi	137	238	01/04/1971
	G.	3,757,876	09/11/1973	Pereau	175	267	09/01/1971
	H.	3,757,877	09/11/1973	Leathers	175	269	12/30/1971
	I.	3,800,830	04/02/1974	Etter	137	625.41	01/11/1973
	J.	3,809,519	05/07/1974	Garner	425	245	10/19/1972
	K.	3,825,081	07/23/1974	McMahon	175	73	03/08/1973
	L.	3,828,867	08/13/1974	Elwood	175	45	05/15/1972
	M.	3,874,413	04/01/1975	Valdez	137	625.47	04/01/1975
	N.	3,887,008	06/03/1975	Canfield	166	267	03/21/1974
	O.	3,902,322	09/02/1975	Watanabe	61	35	08/27/1973
	P.	3,934,649	01/27/1976	Pasini, III et al.	166	254	07/25/1974
	Q.	3,957,082	05/18/1976	Fuson et al.	137	625.41	09/26/1974
	R.	3,961,824	06/08/1976	Van Eek et al.	299	17	10/21/1974
	S.	4,011,890	03/15/1977	Andersson	137	625.4	11/04/1975
	T.	4,022,279	05/10/1977	Driver	166	271	12/23/1974
	U.	4,030,310	06/21/1977	Schirtzinger	61	86	03/04/1976
	V.	4,037,658	07/26/1977	Anderson	166	272	10/30/1975
	W.	4,073,351	02/14/1978	Baum	175	14	06/10/1976
	X.	4,089,374	05/16/1978	Terry	166	259	12/16/1976
	Y.	4,116,012	09/26/1978	Abe et al.	405	238	07/14/1977
	Z.	4,136,996	01/30/1979	Burns	405	195	05/23/1977
PPS	AA.	4,156,437	05/29/1979	Chivens et al.	137	554	02/21/1978
EXAMINER				DATE CONSIDERED			
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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JP	A.	4,169,510	10/02/1979	Meigs	175	65	08/16/1977
	B.	4,189,184	02/19/1980	Green	299	8	10/13/1978
	C.	4,220,203	09/02/1980	Steeman	166	271	12/06/1978
	D.	4,221,433	09/09/1980	Jacoby	299	4	07/20/1978
	E.	4,257,650	03/24/1981	Allen	299	2	09/07/1978
	F.	4,278,137	07/14/1981	Van Eek, deceased	175	267	06/18/1979
	G.	4,283,088	08/11/1981	Tabakov et al.	299	2	05/14/1979
	H.	4,296,785	10/27/1981	Vitello et al.	141	105	07/09/1979
	I.	4,299,295	11/10/1981	Gossard	175	45	02/08/1980
	J.	4,303,127	12/01/1981	Freel et al.	166	266	02/11/1980
	K.	4,305,464	12/15/1981	Masszi	166	370	03/07/1980
	L.	4,312,377	01/26/1982	Knecht	137	625.19	08/29/1979
	M.	4,317,492	03/02/1982	Summers et al.	175	79	02/26/1980
	N.	4,328,577	05/04/1982	Abbott et al.	370	84	06/03/1980
	O.	4,366,988	01/04/1983	Bodine	299	14	04/07/1980
	P.	4,372,398	02/08/1983	Kuckes	175	45	11/04/1980
	Q.	4,386,665	06/07/1983	Dellinger	175	61	10/27/1981
	R.	4,390,067	06/28/1983	Willman	166	245	04/06/1981
	S.	4,396,076	08/02/1983	Inoue	175	265	04/27/1981
	T.	4,397,360	08/09/1983	Schmidt	175	61	07/06/1981
	U.	4,401,171	08/30/1983	Fuchs	175	267	12/10/1981
	V.	4,407,376	10/04/1983	Inoue	175	267	06/26/1981
	W.	4,442,896	04/17/1984	Reale et al.	166	278	07/21/1982
	X.	4,494,616	01/22/1985	McKee	175	67	07/18/1983
	Y.	4,512,422	04/23/1985	Knisley	175	99	06/28/1983
	Z.	4,519,463	05/28/1985	Schuh	175	61	03/19/1984
	AA.	4,527,639	07/09/1985	Dickinson, III et al.	175	61	03/02/1983
JP	BB.	4,532,986	08/06/1985	Mims et al.	166	50	05/05/1983
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U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
285	A.	4,544,037	10/01/1985	Terry	166	369	02/21/1984
	B.	4,558,744	12/17/1985	Gibb	166	335	09/13/1983
	C.	4,565,252	01/21/1986	Campbell et al.	175	269	03/08/1984
	D.	4,573,541	03/04/1986	Josse et al.	175	78	08/09/1984
	E.	4,599,172	07/08/1986	Gardes	210	314	12/24/1984
	F.	4,600,061	07/15/1986	Richards	175	62	06/08/1984
	G.	4,605,076	08/12/1986	Goodhart	175	61	08/03/1984
	H.	4,611,855	09/16/1986	Richards	299	2	05/11/1984
	I.	4,618,009	10/21/1986	Carter et al.	175	267	08/08/1984
	J.	4,638,949	01/27/1987	Mancel	239	307	04/26/1984
	K.	4,646,836	03/03/1987	Goodhart	166	303	12/20/1984
	L.	4,674,579	06/23/1987	Geller et al.	175	45	03/07/1985
	M.	4,702,314	10/27/1987	Huang et al.	166	245	03/03/1986
	N.	4,705,431	11/10/1987	Gadelle et al.	405	267	12/20/1984
	O.	4,715,440	12/29/1987	Boxell et al.	166	100	07/14/1986
	P.	4,754,819	07/05/1988	Dellinger	175	61	03/11/1987
	Q.	4,756,367	07/12/1988	Puri et al.	166	263	04/28/1987
	R.	4,763,734	08/16/1988	Dickinson et al.	175	61	12/23/1985
	S.	4,773,488	09/27/1988	Bell et al.	175	61	08/08/1984
	T.	4,830,105	05/16/1989	Petermann	166	241	02/08/1988
	U.	4,836,611	06/06/1989	El-Saie	299	7	05/09/1988
	V.	4,842,081	06/27/1989	Parant	175	23	05/18/1988
	W.	4,844,182	07/04/1989	Tolle	175	215	06/07/1988
	X.	4,852,666	08/01/1989	Brunet et al.	175	61	04/07/1988
	Y.	4,883,122	11/28/1989	Puri et al.	166	248	08/22/1990
	Z.	4,978,172	12/18/1990	Schwoebel et al.	299	12	10/26/1989
285	AA.	5,016,710	05/21/1991	Renard et al.	166	245	06/26/1987
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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PPS	A.	5,035,605	07/30/1991	Dinerman et al.	481	018	02/16/1990
	B.	5,036,921	08/06/1991	Pittard et al.	166	298	06/28/1990
	C.	5,074,360	12/24/1991	Guinn	166	281	07/10/1990
	D.	5,074,365	12/24/1991	Kuckes	175	40	09/14/1990
	E.	5,074,366	12/24/1991	Karlsson et al.	175	76	12/24/1991
	F.	5,082,054	01/21/1992	Kiamanesh	166	248	08/22/1990
	G.	5,111,893	05/12/1992	Kvello-Aune	175	258	12/24/1990
	H.	5,135,058	08/04/1992	Millgard et al.	175	71	04/26/1990
	I.	5,148,875	09/22/1992	Karlsson et al.	175	62	09/24/1991
	J.	5,165,491	11/24/1992	Wilson	175	62	04/29/1991
	K.	5,168,942	12/08/1992	Wydrinski	175	50	10/21/1991
	L.	5,174,374	12/29/1992	Hailey	166	55.8	10/17/1991
	M.	5,193,620	03/16/1993	Braddick	166	382	08/05/1991
	N.	5,194,859	03/16/1993	Warren	340	853.4	02/08/1991
	O.	5,197,553	03/30/1993	Leturno	175	57	08/14/1991
	P.	5,197,783	03/30/1993	Theimer et al.	299	17	04/29/1991
	Q.	5,199,496	04/06/1993	Redus et al.	166	366	10/18/1991
	R.	5,201,817	04/13/1993	Hailey	175	269	12/27/1991
	S.	5,217,076	06/08/1993	Masek	166	303	09/27/1991
	T.	5,240,350	08/31/1993	Yamaguchi et al.	405	143	11/07/1991
	U.	5,242,017	09/07/1993	Hailey	166	55.8	12/27/1991
	V.	5,246,273	09/21/1993	Rosar	299	4	05/13/1991
	W.	5,255,741	10/26/1993	Alexander	166	278	12/11/1991
	X.	5,271,472	12/21/1993	Leturno	175	107	10/14/1992
	Y.	5,301,760	04/12/1994	Graham	175	61	09/10/1992
PPS	Z.	5,363,927	11/15/1994	Frank	175	67	09/27/1993
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PPS	A.	5,385,205	01/31/1995	Hailey	166	55.8	10/04/1993
	B.	5,394,950	03/07/1995	Gardes	175	45	05/21/1993
	C.	5,402,851	04/04/1995	Baiton	166	369	05/03/1993
	D.	5,411,082	05/02/1995	Kennedy	166	181	01/26/1994
	E.	5,411,085	05/02/1995	Moore et al.	166	242	11/01/1993
	F.	5,411,104	05/02/1995	Stanley	175	65	02/16/1994
	G.	5,411,105	05/02/1995	Gray	175	69	06/14/1994
	H.	5,431,220	07/11/1995	Lennon et al.	166	55.7	03/24/1994
	I.	5,435,400	07/25/1995	Smith	175	61	05/25/1994
	J.	5,447, 416	09/05/1995	Wittrisch	417	442	03/28/1994
	K.	5,450,902	09/19/1995	Matthews	166	268	05/14/1993
	L.	5,454,419	10/03/1995	Vloedman	166	277	09/19/1994
	M.	5,458,209	10/17/1995	Hayes et al.	175	61	06/11/1993
	N.	5,462,116	10/31/1995	Carroll	166	249	10/26/1994
	O.	5,462,120	10/31/1995	Gondouin	166	380	01/04/1993
	P.	5,469,155	11/21/1995	Archambeault et al.	340	853.4	07/11/1994
	Q.	5,477,923	12/26/1995	Jordan, Jr. et al.	66	313	01/26/1994
	R.	5,485,089	01/16/1996	Kuckes	324	346	10/08/1993
	S.	5,494,121	02/27/1996	Nackerud	175	263	11/29/1994
	T.	5,499,687	03/19/1996	Lee	175	317	11/18/1991
	U.	5,501,273	03/26/1996	Puri	166	252.5	10/04/1994
	V.	5,501,279	03/26/1996	Garg et al.	166	372	01/12/1995
	W.	5,584,605	12/17/1996	Beard et al.	405	128	06/29/1995
	X.	5,613,242	03/18/1997	Oddo	588	17	12/06/1994
	Y.	5,615,739	04/01/1997	Dallas	166	306	04/30/1996
	Z.	5,669,444	09/23/1997	Riese et al.	166	263	01/31/1996
	AA.	5,680,901	10/28/1997	Gardes	166	313	12/14/1995
	BB.	5,690,390	11/25/1997	Bithell	299	4	04/19/1996
PPS	CC.	5,706,871	01/13/1998	Anderson et al.	141	59	08/15/1995
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PS	A.	5,720,356	02/24/1998	Gardes	175	62	02/01/1996
	B.	5,727,629	03/17/1998	Blizzard, Jr. et al.	166	298	01/24/1996
	C.	5,735,350	04/07/1998	Longbottom et al.	166	313	10/15/1996
	D.	5,771,976	06/30/1998	Talley	166	370	07/19/1996
	E.	5,785,133	07/28/1998	Murray et al.	175	61	08/29/1995
	F.	5,832,958	11/10/1998	Cheng	137	625.41	09/04/1997
	G.	5,853,054	12/29/1998	McGarian et al.	175	267	07/22/1997
	H.	5,853,056	12/29/1998	Landers	175	424	04/01/1996
	I.	5,863,283	01/26/1999	Gardes	588	250	02/10/1997
	J.	5,868,202	02/09/1999	Hsu	166	256	09/22/1997
	K.	5,868,210	02/09/1999	Johnson et al.	175	40	05/01/1996
	L.	5,879,057	03/09/1999	Schwoebel et al.	299	17	11/12/1996
	M.	5,884,704	03/23/1999	Longbottom et al.	16	313	08/20/1997
	N.	5,917,325	06/29/1999	Smith	324	326	08/25/1997
	O.	5,934,390	08/10/1999	Uthe	175	67	12/23/1997
	P.	5,957,539	09/28/1999	Durup et al.	299	4	07/17/1997
	Q.	6,012,520	01/11/2000	Yu et al.	166	245	01/04/1999
	R.	6,024,171	02/15/2000	Montgomery et al.	166	308	03/12/1998
	S.	6,050,335	04/18/2000	Parsons	166	272.3	10/26/1998
	T.	6,056,059	05/02/2000	Ohmer	166	313	07/24/1997
	U.	6,065,550	05/23/2000	Gardes	175	62	02/19/1998
	V.	6,119,771	09/19/2000	Gano et al.	166	50	01/27/1998
	W.	6,135,208	10/24/2000	Gano et al.	166	313	05/28/1998
	X.	6,280,000	08/28/2001	Zupanick (0103)	299	12	11/20/1998
	Y.	6,349,769 B1	02/26/2002	Ohmer	166	313	03/03/2000
	Z.	6,357,523 B1	03/19/02	Zupanick (0104)	166	52	11/19/1999
	AA.	6,425,448 B1	07/30/02	Zupanick et al. (0113)	175	61	01/30/2001
PS	BB.	6,439,320	08/27/2002	Zupanick (0139)	166	313	03/03/2000
EXAMINER				DATE CONSIDERED			
				8/19/04			
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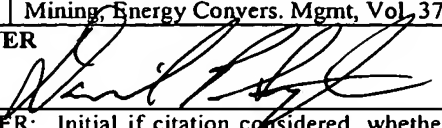
PTO-1449			Application No. Unassigned		Applicant(s) Joseph A. Zupanick		
Information Disclosure Citation in an Application			Docket Number 067083.0287		Group Art Unit Unassigned		Filing Date December 31, 2003

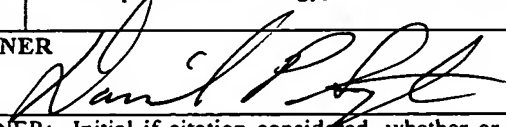
U.S. PATENT DOCUMENTS							
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	B.	6,457,540	10/01/2002	Gardes	175	62	01/29/2001
	C.	6,478,885	11/12/2002	Zupanick (0137)	166	50	02/20/2001
	D.	6,561,288	05/13/03	Zupanick (0140)			
	E.	6,575,235	06/10/2003	Zupanick (0194)			
	F.	6,604,580	08/12/2003	Zupanick (0193)			
	G.	6,604,910	08/12/2003	Zupanick (0130)			
	H.						
	I.						
	J.						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DPS	K.	94/21889	09/29/1994	WO	E21B	43/24	X	
	L.	0 875 661 A1	11/04/1998	EP	E21B	43/30	X	
	M.	0 952 300 A1	10/27/1999	EP	E21B	7/12	X	
	HN	00/31376	06/02/00	WO	E21C	41/00	X	
	O.	2 347 157 A	08/30/2000	UK	E21B	43/00		X
	P.	WO 99/60248	11/25/1999	PCT	E21B	43/30	X	
	Q.	964,503	04/27/1944	France	8	1		X
	R.	WO 00/79099	12/28/2000	PCT	E21B	43/25	X	
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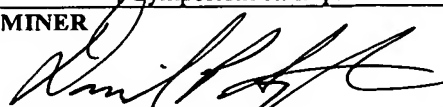
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U.S. PATENT DOCUMENTS								
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	A.							
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	B.						YES	NO
NON-PATENT DOCUMENTS								
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE	
DPB	C.	Gopal Ramaswamy, "Production History Provides CBM Insights," Oil & Gas Journal, pages 49, 50 and 52.					04/02/2001	
	D.	Weiguo Chi and Luwu Yang, "Feasibility of Coalbed Methane Exploitation in China," Horizontal Well Technology, page 74					09/2001	
	E.	Nackerud Product Description, Harvest Tool Company, LLC, 1 page.					Received 09/27/2001	
	F.	Gopal Ramaswamy, "Advanced Key for Coalbed Methane," The American Oil & Gas Reporter, Pages 71 & 73					10/2001	
	G.	Joseph C. Stevens, Horizontal Applications For Coal Bed Methane Recovery, Strategic Research Institute, pages 1-10 (slides)					03/25/2002	
	H.	R.J. "Bob" Stayton, "Horizontal Wells Boost CBM Recovery", Special Report: Horizontal & Directional Drilling, The American Oil & Gas Reporter, pp. 71-75					08/2002	
	I.	Susan Eaton, "Reversal of Fortune", New Technology Magazine, pp 30-31					09/2002	
	J.	James Mahony, "A Shadow of Things to Come", New Technology Magazine, pp. 28-29					09/2002	
	K.	Documents Received from Third Party, Great Lakes Directional Drilling, Inc., (12 pages)					Received 09/12/02	
	L.	Robert W. Taylor and Richard Russell, "Multilateral Technologies Increase Operational Efficiencies in Middle East, Oil & Gas Journal, pp. 76-80					03/16/1998	
	M.	Adam Pasiczynk, "Evolution Simplifies Multilateral Wells", Directional Drilling, pp. 53-55					06/2000	
	N.	Steven S. Bell, "Multilateral System with Full Re-Entry Access Installed", World Oil, p. 29					06/1996	
DPB	O.	P. Jackson and S. Kershaw, "Reducing Long Term Methane Emissions Resulting from Coal Mining, Energy Convers. Mgmt, Vol. 37, Nos 6-8, pp. 801-806					1996	
EXAMINER				DATE CONSIDERED				
				8/19/04				
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FOREIGN PATENT DOCUMENTS							
	B.	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
DB	C.	Gardes, US. Patent Application Publication No. US 2003/0062198 A1 "Method and System for Hydraulic Friction Controlled Drilling and Completing Geopressed Wells...."					04/03/2003
	D.	Kelly et al., US. Patent Application Publication No. US 2002/0074122 A1 "Method and Apparatus for Hydrocarbon Subterranean Recover"					06/20/2002
	E.	Zupanick, U.S. Patent Application Serial No. 09/788,897, entitled "Method and System for Accessing Subterranean Deposits From The Surface," (067083.0138)					02/20/2001
	F.	Zupanick, U.S. Patent Application Serial No. 10/046,001, entitled "Method and System for Management of By-Products From Subterranean Zones," (067083.0134)					10/19/2001
	G.	Zupanick, U.S. Patent Application Serial No. 09/774,996, entitled "Method and System for Accessing a Subterranean Zone From a Limited Surface Area," (067083.0120)					01/30/2001
	H.	Howard L. Hartman, et al.; "SME Mining Engineering Handbook," Society for Mining, Metallurgy, and Exploration, Inc.; pp 1946-1950, 2nd Edition, Volume 2.					1992
	I.	Dave Hassan, Mike Chernichen, Earl Jensen, and Morley Frank; "Multi-lateral technique lowers drilling costs, provides environmental benefits", Drilling Technology, pp. 41-47.					10/1999
	J.	Pascal Breant, "Des Puits Branches, Chez Total : les puits multi drains", Total Exploration Production, pp. 1-5					01/1999
	K.	Abstract of AU 8549964					1987
	L.	McCray and Cole, "Oil Well Drilling and Technology," University of Oklahoma Press, pp 315-319.					1959
	M.	Berger and Anderson, "Modern Petroleum," PennWell Books, pp 106-108.					1978
	N.	Arfon H. Jones et al., A Review of the Physical and Mechanical Properties of Coal with Implications for Coal-Bed Methane Well Completion and Production, Rocky Mountain Association of Geologists, pages 169-181					1988
PPS	O..	U.S. Department of Energy, "Slant Hole Drilling", (1 page)					04/1999
EXAMINER 				DATE CONSIDERED 8/19/04			
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						Filing Date December 31, 2003	
U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
PPS	A.	1,520,737	12/30/1924	Wright			04/26/1924
	B.	3,907,045	09/23/1975	Dahl et al.	175	45	11/30/1976
	C.	4,303,127	12/01/1981	Freel et al.	166	266	02/11/1980
	D.	4,437,706	03/20/1984	Johnson	299	7	08/30/1981
	E.	5,226,495	07/13/1993	Jennings, Jr.	166	278	05/18/1992
	F.	5,242,025	09/07/1993	Neill et al.	175	26	06/30/1992
	G.	5,613,242	04/18/1997	Oddo	588	17	12/06/1994
	H.	5,938,004	08/17/1999	Roberts et al.	198	812	02/14/1997
	I.	5,971,074	10/26/1999	Longbottom et al.	166	313	07/01/0998
	J.	6,015,012	01/18/2000	Reddick	166	313	08/29/1997
	K.	6,209,636	04/03/2001	Roberts et al.	166	117.6	03/07/1999
	L.	6,439,320	08/27/2002	Zupanick	175	161	02/20/2001
	M.	6,566,649	05/20/2003	Mickael	250	269.3	05/26/2000
	N.	6,571,888	06/03/2003	Comeau et al.	175	61	05/14/2001
	O.	6,577,129	06/10/2003	Thompson et al.	324	338	01/19/2002
	P.	6,585,061	07/01/2003	Radzinski et al.	175	45	10/15/2001
	Q.	6,590,202	07/08/2003	Mickael	250	269.2	05/08/2001
	R.	6,591,903	07/15/2003	Ingle et al.	166	50	12/06/2001
	S.	6,607,042	08/19/2003	Hoyer et al.	175	38	05/17/2001
	T.	6,636,159	10/21/2003	Winnacker	340	854.3	06/25/2000
	U.	6,639,210	10/28/2003	Odom et al.	250	269.6	03/14/2001
	V.	6,646,411	11/11/2003	Thompson et al.	324	338	01/19/2002
	W.	6,450,256	09/17/2002	Mones	166	250.01	06/06/2001
	X.	6,653,839	11/25/2003	Yuratich et al.	324	355	12/28/2001
	Y.	US-2002/0074120-A1	06/20/2002	Scott	166	313	12/15/2000
	Z.	US2003/0075334	04/24/2003	Haugen et al.	166	313	09/16/2002
	AA.	US-2002/0050358-A1	05/02/2002	Algeroy et al.	166	313	09/27/2001
	BB.	US-2003-0066686-A1	04/10/2003	Conn	175	57	10/04/2002
PPS	CC.	US2003/0062198	04/03/2003	Gardes	175	61	09/30/2002
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FOREIGN PATENT DOCUMENTS							
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PPS	A.	GB 2 297 988	8/21/1996	UK	E21B	7/08	X
	B.	WO 02/18738	03/7/2002	PCT	E21B	7/04	X
	C.	SU-1448078-A1	03/25/1987	UK	E21	F 5/00-F 7/00	X
	D.	SU-1770570-A1	03/30/1990	UK	E21	F 7/00	X
PPS	E.	SU-750108	06/26/1975	UK	E21	C 45/00	X
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PPS	F.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed November 6, 2003 (8 pages) re International Application No. PCT/US 03/21626					Filed 07/11/2003
	G.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed November 5, 2003 (8 pages) re International Application No. PCT/US 03/21627					Filed 07/11/2003
	H.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed November 4, 2003 (7 pages) re International Application No. PCT/US 03/21628					Filed 07/11/2003
	I.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed December 5, 2003 (8 pages) re International Application No. PCT/US 03/21750					Filed 07/11/2003
	J.	Examiner of Record, Office Action Response regarding the Interpretation of the three Russian Patent Applications listed above under Foreign Patent Documents (9 pages)					Date Unknown
	K.	Ian D. Palmer et al., "Coalbed Methane Well Completions and Stimulations", Chapter 14, pp. 303-339, Hydrocarbons from Coal, Published by the American Association of Petroleum Geologists					1993
	L.	B. Gotas et al., "Performance of Openhole Completed and Cased Horizontal/Undulating Wells in Thin-Bedded, Tight Sand Gas Reservoirs," Society of Petroleum Engineers, Inc., October 17 through October 19, 2000, pp. 1-7					10/19/2000
	M.	R. Sharma, et al., "Modelling of Undulating Wellbore Trajectories, The Journal of Canadian Petroleum Technology", XP-002261908, October 18-20, 1993, pp 16-24					10/18/2000 - 10/20/2000
PPS	N.	E. F. Balbinski et al., "Prediction of Offshore Viscous Oil Field Performance," European Symposium on Improved Oil Recovery, August 18-20 1999, pp. 1-10					08/18/1999 - 08/20/2000
EXAMINER				DATE CONSIDERED			
				8/19/04			
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